Access DB# 8837/

SEARCH REQUEST FORM

Scientific and Technical Information Center

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If more than one search is submitted, please prioritize searches in order of need. **********************************									
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Clerical Prep Time:	Patent Family	_							
Online Time:	Other ,	Other (specify)							

PTO-1590 (8-01)

Fredman 09 770714

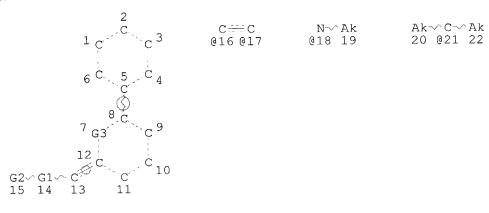
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FILE COVERS 1907 - 11 Mar 2003 VOL 138 ISS 11 FILE LAST UPDATED: 10 Mar 2003 (20030310/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> =>



REP G1=(1-3) 16-15 17-13
VAR G2=30/35/33
VAR G3=0/S/SE/18/21
NODE ATTRIBUTES:
NSPEC IS R AT 13
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 37

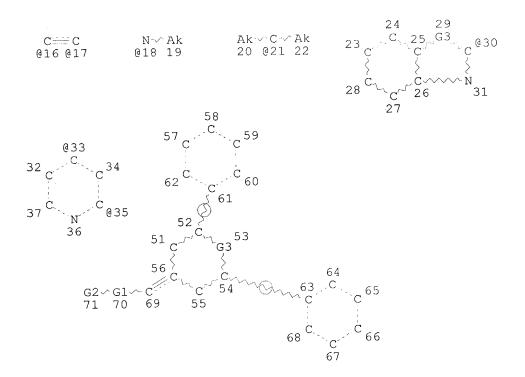
STEREO ATTRIBUTES: NONE L11 STR

C=C N Ak Ak C Ak 20 @21 22 23 C C 25 G3 C 26 31

VAR G2=30/35/33 VAR G3=0/S/SE/18/21 REP G4=(1-3) 16-50 17-48 NODE ATTRIBUTES: NSPEC IS R AT 48 DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 35

STEREO ATTRIBUTES: NONE L15 STR



REP G1=(1-3) 16-71 17-69 VAR G2=30/35/33 VAR G3=O/S/SE/18/21 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 43

STEREO ATTRIBUTES: NONE L17 STR

VAR G2=30/35/33 VAR G3=0/S/SE/18/21 REP G4=(1-3) 16-90 17-88 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE L21 STR

REP G1=(1-3) 16-105 17-107 VAR G3=0/S/SE/18/21

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 39

STEREO ATTRIBUTES: NONE

47 SEA FILE=REGISTRY SSS FUL L7 OR L11 OR L15 OR L17 OR L21 L24

9 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 L39

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L39 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2003 ACS

2000:646079 HCAPLUS ACCESSION NUMBER:

133:239376 DOCUMENT NUMBER:

Laser-compatible NIR marker dyes TITLE:

Czerney, Peter; Lehmann, Frank Dyomics, Germany PCT Int. Appl., 33 pp. INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE: CODEN: PIXXD2

DOCUMENT TYPE: Patent

German LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000053678	A1	20000914	WO 2000-DE802	20000309
W: DE, US DE 19911421 PRIORITY APPLN. INFO.	A1	20001005 DE	DE 1999-19911421 1999-19911421 A	
OTHER SOURCE(S): GI		ARPAT 133:239376		

The aim of the invention is to provide NIR-marker polymethine dyes such as AΒ I (R1-R12 = H, org. group, OH, ionizable group; X, Y = O, S, Se, imino, dialkylmethylene; A, Z = H; AZ together may form an aliph., heteroaliph., lactone, or thiolactone linkage; $\tilde{n}=1-3$) with high photochem. and storage stability as well as high fluorescence yield, in which fluorescence can be excited as simply as possibly by means of laser radiation in the visible or NIR spectral range. Thus, 3-(diethylamino)-6-(ethoxymethylene)-7,8,9,10-tetrahydro-6H-(5-oxoniacyclohepta[b]naphthalene) perchlorate was prepd. and converted to 3-(diethylamino)-6-[2-[1-(5-carboxypentyl)-3,3-

dimethyl-5-sulfonato-1,3-dihydro-2-indolylidenyl]ethylidene]-7,8,9,10tetrahydro-6H-(5-oxoniacyclohepta[b]naphthalene) betaine. This compd. after esterification with N-hydroxysuccinimide could be used to label human serum albumin.

293320-49-7P ΙT

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(dye; prodn. of laser-compatible NIR fluorescent biomarker dyes)

293320-46-4P 293320-47-5P 293320-51-1P IT

RL: IMF (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(dye; prodn. of laser-compatible NIR fluorescent biomarker dyes)

293320-44-2P 293320-45-3P 293320-48-6P IT 293320-53-3P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(dye; prodn. of laser-compatible NIR fluorescent biomarker dyes) THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L39 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1997:424422 HCAPLUS

DOCUMENT NUMBER:

127:184914

TITLE:

New near-infrared-absorbing acidochromic dyes and

their application in sensor techniques

AUTHOR(S): CORPORATE SOURCE: Czerney, Peter; Grummt, Ulrich -W. Institut fuer Physikalische Chemie,

Friedrich-Schiller-Universitaet Jena, Lessingstrasse

10, D-07743, Jena, Germany

SOURCE:

Sensors and Actuators, B: Chemical (1997), B39(1-3),

395-400

CODEN: SABCEB; ISSN: 0925-4005

PUBLISHER:

Elsevier Journal

DOCUMENT TYPE: English LANGUAGE:

New stable acidochromic near-IR absorbing dyes are described, which are useful for the design of optodes. The dyes belong to the classes of 2-(4-hydroxyphenyl)-1-benzopyrylium salts, 9-[3-(pyranylidene)propenyl]-7diethylamino-1-benzopyrylium salts, 9-[3-(thiopyranylidene)- and 9-[3-(1-benzopyranylidene)propenyl]-acridinium salts, and 9-(4-dialkylaminostyryl)acridinium salts. Apparent pKa values in water/2-propanol mixts. are in the range 1.ltorsim.pK.ltorsim.8. Absorption maxima of the long-wavelength absorbing forms span the region from 600 to 900 nm.

193958-15**-**5P IT

RL: ARG (Analytical reagent use); DEV (Device component use); PRP (Properties); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)

(L 109; prepn. of stable acidochromic near-IR absorbing dyes for use in

L39 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2003 ACS 1996:457525 HCAPLUS

ACCESSION NUMBER: DOCUMENT NUMBER:

125:234265

TITLE:

Acidochromic, non-symmetric pyrylotrimethines as NIR

sensor dyes and their absorption spectroscopic

behaviors

AUTHOR(S):

CORPORATE SOURCE:

Czerney, P.; Grummt, U.-W. Institut fur Physikalische Chemie,

Friedrich-Schiller-Universitate Jena, Jena, D-07743,

Germany

SOURCE:

Journal of Information Recording (1996), 23(1-2, 14th Conference Photochemistry Section of the Society of

German Chemists, 1995, Pt. 2), 159-165

CODEN: JIREFL; ISSN: 1025-6008

PUBLISHER: DOCUMENT TYPE: Gordon & Breach

Journal

LANGUAGE:

German

NIR (near infra red) indicator dyes for optodes are developed and AB

synthesized to measure pH-value as well as potassium-, ammonium- or etc. They are useful for det. urea concn. in an aq. medium or ammonia in the air. The dyes can be used for information recordings.

181934-41-8 181934-43-0 IT

RL: PRP (Properties)

(acidochromic, nonsym. pyrylotrimethines as NIR sensor dyes and their absorption spectroscopic behaviors)

L39 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2003 ACS 1996:314093 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

124:346018

TITLE:

New near-infrared-absorbing non-symmetric and symmetric trimethinecyanine dyes containing a

7-dialkylamino-1-benzopyrylium end group

AUTHOR(S):

Czerney, Peter; Grummt, Ulrich-W.

CORPORATE SOURCE:

Inst. Physikalische Chemie, Friedrich-Schiller-Univ.

Jena, Jena, D-07743, Germany

SOURCE:

Journal of Chemical Research, Synopses (1996), (4),

173

CODEN: JRPSDC; ISSN: 0308-2342

PUBLISHER:

Royal Society of Chemistry

DOCUMENT TYPE:

Journal English

LANGUAGE:

A series of 13 trimethinium dyes absorbing in the near-IR and having neg. solvatochromism and has been synthesized. Some of the dyes are are acidochromic and may be useful for pH sensing.

99309-28-1P 177194-48-8P TT

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(near-IR-absorbing trimethinecyanine dyes contg. a 7-(dialkylamino)-1benzopyrylium end group with neg. solvatochromism)

L39 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2003 ACS 1995:909371 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

123:328758

TITLE:

Proton-carrier pH indicator dyes for the near infrared

spectral region

Czerney, Peter; Grummt, Ulrich Walter; Lindauer, INVENTOR(S):

Heike; Mohr, Gerhard

PATENT ASSIGNEE(S):

Friedrich-Schiller-Universitaet Jena, Germany

SOURCE: Ger. Offen., 11 pp. CODEN: GWXXBX

Patent DOCUMENT TYPE: German LANGUAGE: FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

APPLICATION NO. DATE PATENT NO. KIND DATE _____ ____ DE 1993-4341618 19931207 DE 4341618 A1 19950608 DE 1993-4341618 PRIORITY APPLN. INFO.:

MARPAT 123:328758 OTHER SOURCE(S):

Anhydro bases of proton-carrier polymethine dyes with specified structures are converted to styrylcyanine, pyrylomethinecyanine, and benzopyrylomethinecyanine dyes as a function of pH. The dyes can be used

as indicators from pH 2 to 12. They can be applied to the surface of carrier substances, e.g. glass plates or polymer foils, and protected by long aliph. substituents against washing out. They can be used for detg. acids or bases, e. g. pollutants in gases or liqs. They can be applied with a light source (LED or diode laser) or photoreceiver (CCD element or multiplier). Absorption max. and pKa data of examples (in 1:1 H2O-isopropanol) are given.

170143-93-8 170144-10-2 ΤT

RL: ARG (Analytical reagent use); DEV (Device component use); PRP (Properties); ANST (Analytical study); USES (Uses)

(proton-carrier pH indicator dyes for the near IR spectral region)

170143-89-2 170143-90-5 170144-06-6 ΙT

170144-07-7

RL: ARG (Analytical reagent use); PRP (Properties); ANST (Analytical study); USES (Uses)

(proton-carrier pH indicator dyes for the near IR spectral region)

L39 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1995:529590 HCAPLUS

DOCUMENT NUMBER:

122:316900

TITLE:

Near-infrared absorbing acidochromic nonsymmetric trimethinium dyes containing acridinium and pyrylium

end groups

AUTHOR(S): CORPORATE SOURCE: Lindauer, Heike; Czerney, Peter; Grummt, Ulrich-W. Inst. Physikalische Chem., Friedrich-Schiller Univ.,

Jena, Germany

SOURCE:

Journal fuer Praktische Chemie/Chemiker-Zeitung

(1995), 337(3), 216-21 CODEN: JPCCEM; ISSN: 0941-1216

PUBLISHER:

Barth Journal

DOCUMENT TYPE: LANGUAGE:

English

A series of new acidochromic dyes absorbing in the near-IR spectral region (up to 900 nm) has been synthesized with a systematic variation of the underlying nonsym. pyrylium trimethinium acridine structure. The dyes exhibit pKa values 5.7-6.7. Semiempirical MO calcns. were performed to elucidate the essentials of the chromophores.

160115-50-4P 163403-60-9P 163403-63-2P

163403-75-6P 163403-80-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(near-IR absorbing acidochromic nonsym. trimethinium dyes contg. acridinium and pyrylium end groups)

L39 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:

1995:251104 HCAPLUS

DOCUMENT NUMBER:

122:58161

TITLE:

New near infrared absorbing acidochromic dyes and

their application in sensor techniques

AUTHOR(S):

Lindauer, Heike; Czerney, Peter; Mohr, Gerhard J.;

Grummt, Ulrich-W.

CORPORATE SOURCE:

Inst. of Physical Chem., Friedrich-Schiller-Univ.,

Jena, 07743, Germany

SOURCE:

Dyes and Pigments $(\bar{1}994)$, 26(3), 229-35

CODEN: DYPIDX; ISSN: 0143-7208

PUBLISHER:

Elsevier Journal

DOCUMENT TYPE: LANGUAGE:

English

Two new acidochromic styrylcyanines and one new benzopyrylotrimethinium AB dye were described. Their visible and near-IR absorption spectra were recorded as a function of pH in fluid soln. and embedded in polymer layers. The layers proved to be useful as pH sensors.

160115-50-4 ΙT

09 770714 Fredman

RL: DEV (Device component use); USES (Uses) (near IR absorbing acidochromic dyes and their application in sensor techniques)

L39 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2003 ACS 1990:534161 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

113:134161

TITLE:

SOURCE:

Near-infrared absorbing asymmetrical trimethine

cyanine dyes

AUTHOR(S):

Gadzhev, N.; Deligeorgiev, T.

CORPORATE SOURCE:

Fac. Chem., Univ. Sofia, Sofia, 1126, Bulg.

Dves and Pigments (1990), 14(1), 73-77

CODEN: DYPIDX; ISSN: 0143-7208

DOCUMENT TYPE:

LANGUAGE:

Journal English

GΙ

$$R^1$$
 X
 $CH = CH$
 $A^ A^ R^2$
 I

The synthesis of asym. trimethine cyanine dyes (I; R = Me, Et, allyl, AB hydroxyethyl; R1 = H; R2 = H, OMe; X = O, S, CH:CH, CMe2; R1X = CH:CH:CH:C; A = Clo4, Br, I) is described. The absorption max. of the dyes is within the range 687-793 nm.

129296-81-7P 129296-83-9P 129296-84-0P ΙT 129296-86-2P 129296-88-4P 129296-90-8P

129296-92-0P 129490-15-9P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. and near-IR absorption spectra of)

L39 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1986:98943 HCAPLUS

DOCUMENT NUMBER:

104:98943

TITLE:

Quantum counting by laser dyes in a broad spectral

range including the near-infrared region

Brecht, Eberhard AUTHOR(S):

CORPORATE SOURCE:

Cent. Inst. Genet. Res. Cultiv. Plants, Ger. Acad.

Sci., Gatersleben, DDR 4325, Ger. Dem. Rep.

Analytical Chemistry (1986), 58(2), 384-7 CODEN: ANCHAM; ISSN: 0003-2700

DOCUMENT TYPE:

Journal

SOURCE:

LANGUAGE: English

Some laser dyes were examd, which could serve as quantum counters with an AΒ extended red response. The benzopyrylium salts CZ 144 and CZ 682 dissolved in CH2Cl2 have high molar absorptivities of 117,500 L mol-1 cm-1

at 667 nm (CZ 144) and 131,800 L mol-1 cm-1 at 720 nm (CZ 682), relative quantum yields of fluorescence above 0.5, sufficient stability, low changes in fluorescence intensity over the temp. range from 16 to 32.degree., as well as only small polarization effects. The laser dye CZ 144 and, in a qualified sense, CZ 682 are suitable quantum counters to correct excitation spectra of fluorescence up to 700 and 780 nm, resp. 99309-28-1

RL: PRP (Properties)
(as quantum counter in solns.)

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FILE COVERS 1907-1966 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> =>

=> s 124

L40 1 L24

=> d all 140

L40 ANSWER 1 OF 1 CAOLD COPYRIGHT 2003 ACS

AN CA63:1914h CAOLD

TI heterocycles from amino ketones - (VII) cationic cyanines from 2,3-condensed lepidines

AU Kempter, Gerhard; Dost, H.; Schmidt, W.

1725-41-3 1725-39-9 1725-40-2 1725-38-8 1725-36-6 1725-37-7 IT 1872-21-5 1872-22-6 1872-00-0 1872-20-4 1871-99-4 1725-42-4 1872-26-0 1932-40-7 1872-25-9 1872-24-8 1872-23-7

2004-43-5 2004-44-6 102960-07-6

=> =>

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STRUCTURE FILE UPDATES: 10 MAR 2003 HIGHEST RN 497818-02-7 DICTIONARY FILE UPDATES: 10 MAR 2003 HIGHEST RN 497818-02-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L24 ANSWER 1 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 293320-53-3 REGISTRY

CN 3H-Indolium, 1-[3-[[[bis(1-methylethyl)amino](2-cyanoethoxy)phosphino]oxy]propyl]-2-[2-[3-(diethylamino)-7,8,9,10-tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl-, perchlorate (9CI) (CA INDEX NAME)

MF C42 H58 N4 O3 P . Cl O4

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 293320-52-2 CMF C42 H58 N4 O3 P

CM 2

CRN 14797-73-0 CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

1: 133:239376 REFERENCE

ANSWER 2 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

293320-52-2 REGISTRY RN

3H-Indolium, 1-[3-[[[bis(1-methylethyl)amino](2-CN cyanoethoxy)phosphino]oxy]propyl]-2-[2-[3-(diethylamino)-7,8,9,10tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl- (9CI) (CA INDEX NAME)

3D CONCORD FS

C42 H58 N4 O3 P MF

CI COM

SR CA

ANSWER 3 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN

293320-51-1 REGISTRY 3H-Indolium, 1-[3-(acetyloxy)propyl]-2-[2-[3-(diethylamino)-7,8,9,10-CN tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl-, perchlorate (9CI) (CA INDEX NAME)

C35 H43 N2 O3 . C1 O4 MF

CA SR

CA, CAPLUS LCSTN Files:

> CM1

293320-50-0 CRN C35 H43 N2 O3 CMF

CM 2

CRN 14797-73-0 CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:239376

L24 ANSWER 4 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 293320-50-0 REGISTRY

CN 3H-Indolium, 1-[3-(acetyloxy)propyl]-2-[2-[3-(diethylamino)-7,8,9,10-tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C35 H43 N2 O3

CI COM

SR CA

L24 ANSWER 5 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 293320-49-7 REGISTRY
CN 3H-Indolium, 2-[2-[3-(diethylamino)-7,8,9,10-tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-1-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]-3,3-dimethyl-5-sulfo-, inner salt (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C40 H47 N3 O8 S

NEt2

Me Me

CH CH

(CH2)5

C= 0

SR

LC

CA

STN Files:

CA, CAPLUS

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:239376

L24 ANSWER 6 OF 47 REGISTRY COPYRIGHT 2003 ACS
RN 293320-48-6 REGISTRY
CN 3H-Indolium, 2-[2-[6-(diethylamino)-2,3-dihydro-1H-xanthen-4-yl]ethenyl]-1[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]-3,3-dimethyl-5-sulfo-,
inner salt (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C39 H45 N3 O8 S SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:239376

ANSWER 7 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN293320-47-5 REGISTRY

3H-Indolium, 1-(5-carboxypentyl)-2-[2-[3-(diethylamino)-7,8,9,10-CN tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl-5-sulfo-, inner salt (9CI) (CA INDEX NAME)

FS 3D CONCORD

C36 H44 N2 O6 S MF

SR CA

STN Files: CA, CAPLUS LC

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:239376

ANSWER 8 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN

293320-46-4 REGISTRY
3H-Indolium, 1-(5-carboxypentyl)-2-[2-[6-(diethylamino)-2,3-dihydro-1H-CNxanthen-4-yl]ethenyl]-3,3-dimethyl-5-sulfo-, inner salt (9CI) (CA INDEX NAME)

3D CONCORD FS

C35 H42 N2 O6 S MF

SR CA

STN Files: CA, CAPLUS LC

S03-Ме Ме HO₂C- (CH₂) 5 СН СН NEt₂

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:239376

ANSWER 9 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN

293320-45-3 REGISTRY
3H-Indolium, 2-[2-[3-(diethylamino)-7,8,9,10-tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-, inner salt, CN potassium salt (9CI) (CA INDEX NAME)

C34 H42 N2 O7 S2 . K MF

SR

LC CA, CAPLUS STN Files:

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

1: 133:239376 REFERENCE

L24 ANSWER 10 OF 47 REGISTRY COPYRIGHT 2003 ACS

293320-44-2 REGISTRY RN 3H-Indolium, 1-butyl-2-[2-[3-(diethylamino)-7,8,9,10-CN tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl-, perchlorate (9CI) (CA INDEX NAME) MFC34 H43 N2 O . Cl O4 SR CA LC STN Files: CA, CAPLUS CM1 CRN 293320-43-1 CMF C34 H43 N2 O NEt₂ n-Bu CH CH Ме Ме CM2 CRN 14797-73-0 CMF Cl 04 1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE) 1: 133:239376 REFERENCE L24 ANSWER 11 OF 47 REGISTRY COPYRIGHT 2003 ACS 293320-43-1 REGISTRY 3H-Indolium, 1-butyl-2-[2-[3-(diethylamino)-7,8,9,10-RN CNtetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-3,3-dimethyl- (9CI) (CA INDEX NAME) 3D CONCORD FS C34 H43 N2 O MF CI COM

SR

CA

L24 ANSWER 12 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 193958-15-5 REGISTRY

CN Benzo[b]cyclohepta[e]pyran-3-amine, 6-[2-(9-acridinyl)ethenyl]-N,N-diethyl-7,8,9,10-tetrahydro-, monoperchlorate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN L 109

CN L 109 (dye)

MF C33 H32 N2 O . Cl H O4

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 160115-50-4 CMF C33 H32 N2 O

CM 2

CRN 7601-90-3 CMF Cl H O4

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:184914

L24 ANSWER 13 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 181934-43-0 REGISTRY

CN 1H-Xanthen-6-amine, 4-[2-(9-acridinyl)ethenyl]-N, N-diethyl-2, 3-dihydro-, monoperchlorate (9CI) (CA INDEX NAME)

MF C32 H30 N2 O . C1 H O4

MF C32 H30 N2 O

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 181934-42-9 CMF C32 H30 N2 O

CM 2

CRN 7601-90-3 CMF Cl H O4

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 125:234265

L24 ANSWER 14 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 181934-42-9 REGISTRY

CN 1H-Xanthen-6-amine, 4-[2-(9-acridinyl)ethenyl]-N, N-diethyl-2, 3-dihydro-(9CI) (CA INDEX NAME)

MF C32 H30 N2 O

CI COM

SR CA

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 ANSWER 15 OF 47 REGISTRY COPYRIGHT 2003 ACS

181934-41-8 REGISTRY RN

Acridine, 9-[2-(2,3-dihydro-1H-xanthen-4-yl)ethenyl]-, perchlorate (9CI) (CA INDEX NAME) CN

MFC28 H21 N O . Cl H O4

SR CA

LCSTN Files: CA, CAPLUS

CM

CRN 181934-40-7 CMF C28 H21 N O

2 CM

7601-90-3 CRN Cl H O4 CMF

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 125:234265

L24 ANSWER 16 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 181934-40-7 REGISTRY

CN Acridine, 9-[2-(2,3-dihydro-1H-xanthen-4-yl)ethenyl]- (9CI) (CA INDEX

MF C28 H21 N O

CI COM

SR CA

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 ANSWER 17 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 177194-48-8 REGISTRY

CN 3H-Indolium, 2-[2-[3-(diethylamino)-7,8,9,10-tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl]ethenyl]-1,3,3-trimethyl-, perchlorate (9CI) (CA INDEX NAME) OTHER NAMES:

CN 3-(Diethylamino)-6-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)ethylidene]-7,8,9,10-tetrahydro-6H-benzo[b]cyclohepta[e]pyrylium perchlorate

MF C31 H37 N2 O . Cl O4

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 177194-47-7 CMF C31 H37 N2 O

CM 2

CRN 14797-73-0 CMF Cl 04

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:346018

ANSWER 18 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN

177194-47-7 REGISTRY
3H-Indolium, 2-[2-[3-(diethylamino)-7,8,9,10-tetrahydrobenzo[b]cyclohepta[CN e]pyran-6-yl]ethenyl]-1,3,3-trimethyl- (9CI) (CA INDEX NAME) OTHER NAMES:

3-(Diethylamino)-6-[(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-CNylidene)ethylidene]-7,8,9,10-tetrahydro-6H-benzo[b]cyclohepta[e]pyrylium FS

3D CONCORD

MF C31 H37 N2 O

COM CI

CASR

L24 ANSWER 19 OF 47 REGISTRY COPYRIGHT 2003 ACS
RN 170144-10-2 REGISTRY
CN Benzo[b]cyclohepta[e]pyran-3-amine, 6-[2-(9-acridinyl)ethenyl]-N,N-diethyl7,8,9,10-tetrahydro-, conjugate monoacid, (E)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C33 H32 N2 O . H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
CRN (170143-93-8)

Double bond geometry as shown.

● H+

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:328758

ANSWER 20 OF 47 REGISTRY COPYRIGHT 2003 ACS L24 RN 170144-07-7 REGISTRY Acridine, 9-[2-(5,8,9,10-tetrahydro-3-methoxy-6H-benzo[c]xanthen-11-CN yl)ethenyl]-, conjugate monoacid, (E)- (9CI) (CA INDEX NAME) STEREOSEARCH FS C33 H27 N O2 . H MF SR CA STN Files: CA, CAPLUS, TOXCENTER LC CRN (170143-90-5)

Double bond geometry as shown.

● H+

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:328758

L24 ANSWER 21 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 170144-06-6 REGISTRY

CN Acridine, 9-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]-,

conjugate monoacid, (E)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C32 H25 N O . H

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CRN (170143-89-2)

Double bond geometry as shown.

● H+

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:328758

L24 ANSWER 22 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 170143-93-8 REGISTRY

CN Benzo[b]cyclohepta[e]pyran-3-amine, 6-[2-(9-acridinyl)ethenyl]-N,N-diethyl-7,8,9,10-tetrahydro-, (E)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C33 H32 N2 O

CI COM

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:328758

L24 ANSWER 23 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 170143-90-5 REGISTRY

CN Acridine, 9-[2-(5,8,9,10-tetrahydro-3-methoxy-6H-benzo[c]xanthen-11-yl)ethenyl]-, (E)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C33 H27 N O2

CI COM

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1962 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:328758

L24 ANSWER 24 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 170143-89-2 REGISTRY

CN Acridine, 9-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]-, (E)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C32 H25 N O

CI COM

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Double bond geometry as shown.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 123:328758

L24 ANSWER 25 OF 47 REGISTRY COPYRIGHT 2003 ACS RN 163403-80-3 REGISTRY

CN 7H-Benzo[b]cycloocta[e]pyran-3-amine, 6-[2-(9-acridinyl)ethenyl]-N,N-diethyl-8,9,10,11-tetrahydro- (9CI) (CA INDEX NAME)

MF C34 H34 N2 O

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:316900

L24 ANSWER 26 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 163403-75-6 REGISTRY

CN Acridine, 9-[2-(7,8,9,10-tetrahydrobenzo[b]cyclohepta[e]pyran-6-yl)ethenyl]- (9CI) (CA INDEX NAME)

MF C29 H23 N O

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:316900

L24 ANSWER 27 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 163403-63-2 REGISTRY

CN Acridine, 9-[2-(5,8,9,10-tetrahydro-3-methoxy-6H-benzo[c]xanthen-11-

yl)ethenyl]- (9CI) (CA INDEX NAME)

MF C33 H27 N O2

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:316900

L24 ANSWER 28 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 163403-60-9 REGISTRY

CN Acridine, 9-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]-

(9CI) (CA INDEX NAME)

MF C32 H25 N O

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:316900

L24 ANSWER 29 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 160115-50-4 REGISTRY

CN Benzo[b]cyclohepta[e]pyran-3-amine, 6-[2-(9-acridinyl)ethenyl]-N, N-diethyl-7,8,9,10-tetrahydro-(9CI) (CA INDEX NAME)

MF C33 H32 N2 O

CI COM

SR CA

LC STN Files: CA, CAPLUS

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)

2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:316900

REFERENCE 2: 122:58161

L24 ANSWER 30 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 129490-15-9 REGISTRY

CN 3H-Indolium, 1,3,3-trimethyl-2-[2-(5,8,9,10-tetrahydro-3-methoxy-6H-benzo[c]xanthen-11-yl)ethenyl]-, perchlorate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, 3H-indolium deriv.

MF C31 H32 N O2 . Cl O4

SR CA

LC STN Files: CA, CAPLUS, CHEMINFORMRX

CM 1

CRN 129490-14-8 CMF C31 H32 N O2

CM 2

CRN 14797-73-0 CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

ANSWER 31 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN

129490-14-8 REGISTRY 3H-Indolium, 1,3,3-trimethyl-2-[2-(5,8,9,10-tetrahydro-3-methoxy-6H-CN

benzo[c]xanthen-11-yl)ethenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, 3H-indolium deriv.

FS 3D CONCORD

MF C31 H32 N O2

COM CI

SR CA

L24 ANSWER 32 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN

129296-92-0 REGISTRY 3H-Indolium, 1,3,3-trimethyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-CN 11-yl)ethenyl]-, perchlorate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

6H-Benzo[c]xanthene, 3H-indolium deriv. CN

C30 H30 N O . Cl O4 MF

CA SR

LCSTN Files: CA, CAPLUS

> CM 1

CRN 129296-91-9 CMF C30 H30 N O

СМ 2

CRN 14797-73-0 CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

ANSWER 33 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN 129296-91-9 REGISTRY

CN 3H-Indolium, 1,3,3-trimethyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

6H-Benzo[c]xanthene, 3H-indolium deriv. CN

3D CONCORD FS

MF C30 H30 N O

CI COM

SR CA

L24 ANSWER 34 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN

129296-90-8 REGISTRY Quinolinium, 1-(2-hydroxyethyl)-2-[2-(5,8,9,10-tetrahydro-6H-CN benzo[c]xanthen-11-yl)ethenyl]-, perchlorate (salt) (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES:

6H-Benzo[c]xanthene, quinolinium deriv. CN

MF C30 H28 N O2 . C1 O4

SR

LCSTN Files: CA, CAPLUS, CHEMINFORMRX

CM

CRN 129296-89-5 CMF C30 H28 N O2

$${\rm HO-CH_2-CH_2}$$

CM 2

14797-73-0 CRN CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

L24 ANSWER 35 OF 47 REGISTRY COPYRIGHT 2003 ACS RN 129296-89-5 REGISTRY CN Quinolinium, 1-(2-hydroxyethyl)-2-[2-(5,8,9,10-tetrahydro-6Hbenzo[c]xanthen-11-yl)ethenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c] xanthene, quinolinium deriv.

FS 3D CONCORD

MF C30 H28 N O2

CI COM

SR CA

$$\begin{array}{c} \text{R} \\ | \\ \text{HO--CH}_2\text{---CH}_2 \end{array}$$

L24 ANSWER 36 OF 47 REGISTRY COPYRIGHT 2003 ACS
RN 129296-88-4 REGISTRY
CN Quinolinium, 1-methyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11yl)ethenyl]-, perchlorate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN6H-Benzo[c]xanthene, quinolinium deriv.

MF C29 H26 N O . Cl O4

CA SR

LCSTN Files: CA, CAPLUS

> CM1

CRN 129296-87-3 CMF C29 H26 N O

CM

CRN 14797-73-0

CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

L24 ANSWER 37 OF 47 REGISTRY COPYRIGHT 2003 ACS RN 129296-87-3 REGISTRY

Quinolinium, 1-methyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-CN yl)ethenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

6H-Benzo[c]xanthene, quinolinium deriv.

3D CONCORD FS

MF C29 H26 N O

CI COM

SR CA

ANSWER 38 OF 47 REGISTRY COPYRIGHT 2003 ACS 129296-86-2 REGISTRY L24

RN

Benzothiazolium, 3-(2-hydroxyethyl)-2-[2-(5,8,9,10-tetrahydro-6H-CN benzo[c]xanthen-11-yl)ethenyl]-, perchlorate (salt) (9CI) (CA INDEX NAME) OTHER CA INDEX NAMES:

6H-Benzo[c]xanthene, benzothiazolium deriv. CN

C28 H26 N O2 S . Cl O4 MF

SR CA

LC STN Files: CA, CAPLUS

CM

CRN 129296-85-1 CMF C28 H26 N O2 S

CM

CRN 14797-73-0 CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE) 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

L24 ANSWER 39 OF 47 REGISTRY COPYRIGHT 2003 ACS

129296-85-1 REGISTRY RN

Benzothiazolium, 3-(2-hydroxyethyl)-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]- (9CI) (CA INDEX NAME) CN

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, benzothiazolium deriv.

FS 3D CONCORD

MFC28 H26 N O2 S

CICOM

SR CA

$$\begin{array}{c} & \text{R} \\ | \\ \text{HO--CH}_2 & \text{CH}_2 \end{array}$$

ANSWER 40 OF 47 REGISTRY COPYRIGHT 2003 ACS 129296-84-0 REGISTRY L24

RN

Benzothiazolium, 3-(2-propenyl)-2-[2-(5,8,9,10-tetrahydro-6H-CN benzo[c]xanthen-11-yl)ethenyl]-, bromide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, benzothiazolium deriv.

MF C29 H26 N O S . Br

SR

LC STN Files: CA, CAPLUS

● Br-

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

ANSWER 41 OF 47 REGISTRY COPYRIGHT 2003 ACS L24

RN 129296-83-9 REGISTRY

Benzothiazolium, 3-methyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-CN yl)ethenyl]-, perchlorate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

6H-Benzo[c]xanthene, benzothiazolium deriv. CN

MF C27 H24 N O S . Cl O4 SR CA

LC STN Files: CA, CAPLUS, CHEMINFORMRX

CM 1

CRN 129296-82-8 CMF C27 H24 N O S

CM 2

CRN 14797-73-0 CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

L24 ANSWER 42 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 129296-82-8 REGISTRY

CN Benzothiazolium, 3-methyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, benzothiazolium deriv.

FS 3D CONCORD

MF C27 H24 N O S

CI COM

SR CA

L24 ANSWER 43 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 129296-81-7 REGISTRY

CN Benzoxazolium, 3-ethyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]-, perchlorate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, benzoxazolium deriv.

MF C28 H26 N O2 . Cl O4

SR CA

LC STN Files: CA, CAPLUS, CHEMINFORMRX

CM 1

CRN 129296-80-6 CMF C28 H26 N O2

CM 2

CRN 14797-73-0

CMF Cl O4

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 113:134161

L24 ANSWER 44 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 129296-80-6 REGISTRY

CN Benzoxazolium, 3-ethyl-2-[2-(5,8,9,10-tetrahydro-6H-benzo[c]xanthen-11-yl)ethenyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6H-Benzo[c]xanthene, benzoxazolium deriv.

FS 3D CONCORD

MF C28 H26 N O2

CI COM

SR CA

L24 ANSWER 45 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 99309-28-1 REGISTRY

CN 3H-Indolium, 2-[2-[6-(diethylamino)-2,3-dihydro-1H-xanthen-4-yl]ethenyl]-1,3,3-trimethyl-, perchlorate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN CZ 682

DR 177194-46-6

MF C30 H35 N2 O . Cl O4

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 99309-27-0

CMF C30 H35 N2 O

CM 2

CRN 14797-73-0 CMF Cl O4

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:346018

REFERENCE 2: 104:98943

L24 ANSWER 46 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 99309-27-0 REGISTRY

CN 3H-Indolium, 2-[2-[6-(diethylamino)-2,3-dihydro-1H-xanthen-4-yl]ethenyl]-1,3,3-trimethyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

DR 177194-45-5

MF C30 H35 N2 O

CI COM

SR CA

L24 ANSWER 47 OF 47 REGISTRY COPYRIGHT 2003 ACS

RN 1872-25-9 REGISTRY

CN 5H-Benzo[6,7]cyclohepta[1,2-b]quinolinium, 6,7-dihydro-8-[3-(5,6,7,13-

tetrahydro-13-methyl-8H-benzo[6,7]cyclohepta[1,2-b]quinolin-8-ylidene)-1propenyl]-, iodide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

6,7-Dihydro-13-methyl-8-[3-(5,6,7,13-tetrahydro-13-methyl-8H-benzo[6,7]-CN cyclohepta[1,2-b]quinolin-8-ylidene)propenyl]-5H-benzo[6,7]cyclohepta[1,2b]quinolinium iodide (7CI)

CN 8H-Benzo[6,7]cyclohepta[1,2-b]quinoline, 5H-benzo[6,7]cyclohepta[1,2-

b]quinolinium deriv.

C41 H37 N2 . I MF

LC STN Files: CAOLD

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)